

ETA Barrier Mixing Screws

ETA Barrier Mixing Screws - the heart of our extruder technology - are an excellent solution for smooth bore, grooved barrel and vented extruders, for improved output and quality, used for both for new extruders as well as for existing machinery.

Special mixing devices in various technological executions are key part of ETA Barrier Mixing Screws.

In each individual case screw design and manufacturing are tailored to the specific requirements.

Applications

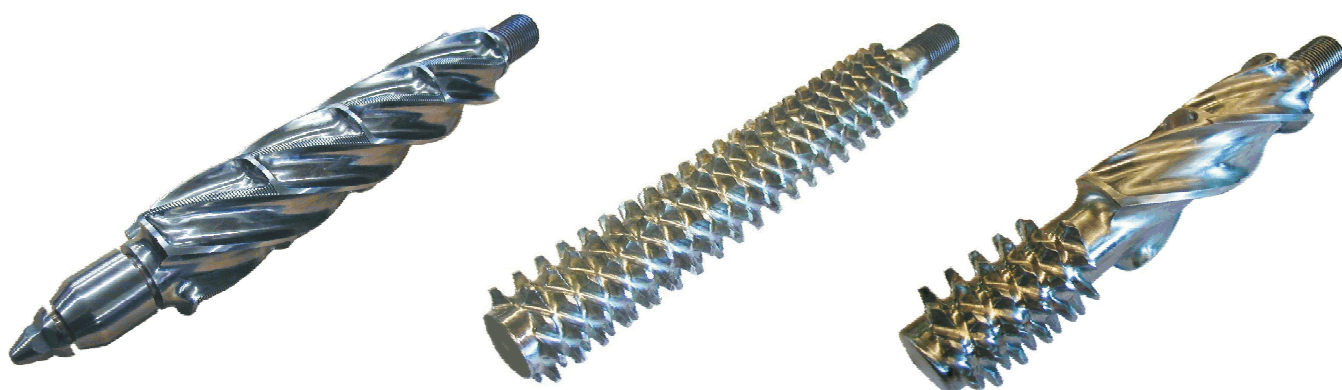
- pipe extrusion
- profile extrusion
- blown film
- blow moulding
- cast film extrusion
- sheet extrusion
- virgin material and regrind mixtures
- mixing of additives and colour masterbatches
- high-temperature resins



Advantages

- high output rates
- good stability of pressure and throughput
- broad processing range
- good energy efficiency
- low melt temperature
- excellent melt homogeneity
- balanced pressure profile
- favourable start-up torque behaviour
- small cooling demand
- low wear

Mixing Elements for Specific Applications



Basics and Experiences

- more than 1000 successful applications from 20 mm to 200 mm diameter
- in house material and extrusion trial data base
- newest simulation software
- lab extruder for extrusion trials
- cooperation with universities and research institutes



ETA Kunststofftechnologie GmbH

Biberweg 4
53842 Troisdorf / Germany
Fon: +49 / 2241 / 949707
Fax: +49 / 2241 / 949709
mail@eta-gmbh.de
www.eta-gmbh.de

